

Product datasheet

Anti-Nucleolin (phospho T76) antibody [EPR8080-2] ab168363

Recombinant RabMAb

[2 References](#) [9 Images](#)

Overview

Product name	Anti-Nucleolin (phospho T76) antibody [EPR8080-2]
Description	Rabbit monoclonal [EPR8080-2] to Nucleolin (phospho T76)
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, IP Unsuitable for: ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	293T cell lysates; Human tonsil tissue and urinary bladder transitional cell carcinoma tissue.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal

Clone number EPR8080-2

Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab168363 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 77 kDa.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
IP		1/10 - 1/100.

Application notes Is unsuitable for ICC/IF.

Target

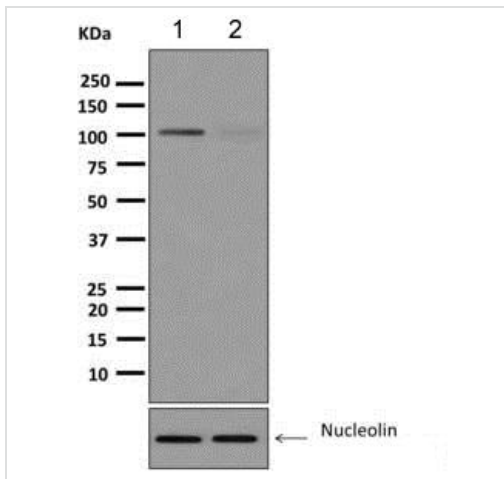
Function Nucleolin is the major nucleolar protein of growing eukaryotic cells. It is found associated with intranucleolar chromatin and pre-ribosomal particles. It induces chromatin decondensation by binding to histone H1. It is thought to play a role in pre-rRNA transcription and ribosome assembly. May play a role in the process of transcriptional elongation. Binds RNA oligonucleotides with 5'-UUAGGG-3' repeats more tightly than the telomeric single-stranded DNA 5'-TTAGGG-3' repeats.

Sequence similarities Contains 4 RRM (RNA recognition motif) domains.

Post-translational modifications Some glutamate residues are glycylylated by TTLL8. This modification occurs exclusively on glutamate residues and results in a glycine chain on the gamma-carboxyl group.

Cellular localization Nucleus > nucleolus. Cytoplasm. Localized in cytoplasmic mRNP granules containing untranslated mRNAs.

Images



Western blot - Anti-Nucleolin (phospho T76)
antibody [EPR8080-2] (ab168363)

All lanes : Anti-Nucleolin (phospho T76) antibody [EPR8080-2]
(ab168363) at 1/1000 dilution

Lane 1 : 293T cell lysates, untreated

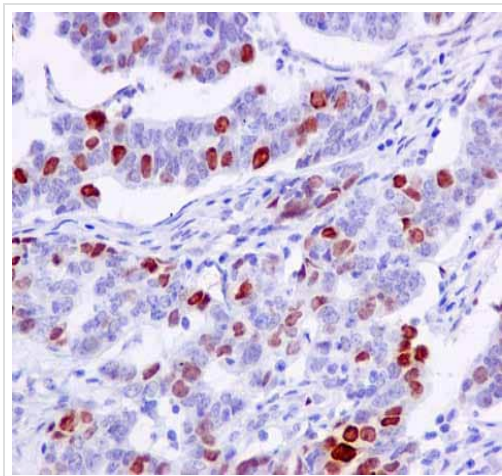
Lane 2 : 293T cell lysates, treated with Lambda Phosphatase

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat anti-rabbit HRP at 1/2000 dilution

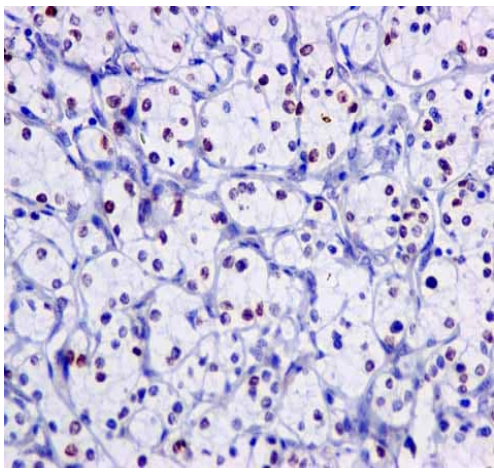
Predicted band size: 77 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-
embedded sections) - Anti-Nucleolin (phospho T76)
antibody [EPR8080-2] (ab168363)

ab168363 showing +ve staining in Human ovarian carcinoma.

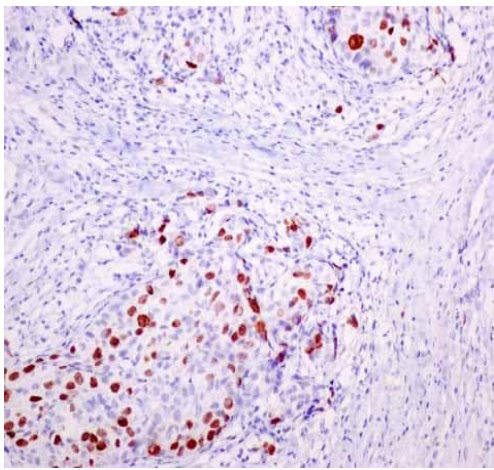
Perform heat mediated antigen retrieval before commencing with
IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nucleolin (phospho T76) antibody [EPR8080-2] (ab168363)

ab168363 showing +ve staining in Human kidney carcinoma.

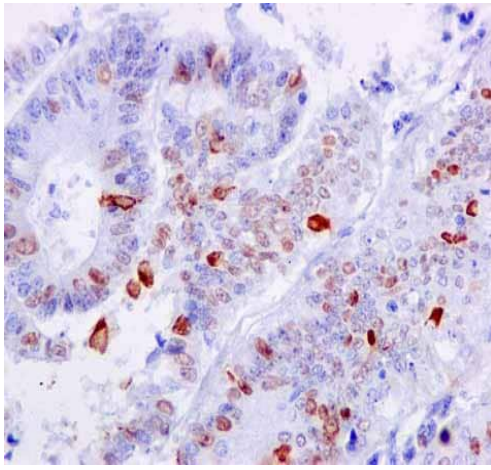
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nucleolin (phospho T76) antibody [EPR8080-2] (ab168363)

ab168363 showing +ve staining in Human breast carcinoma.

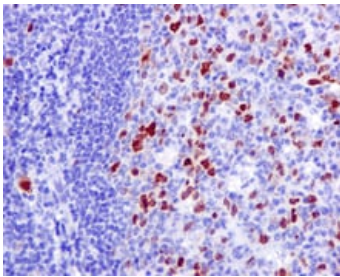
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nucleolin (phospho T76) antibody [EPR8080-2] (ab168363)

ab168363 showing +ve staining in Human endometrial carcinoma.

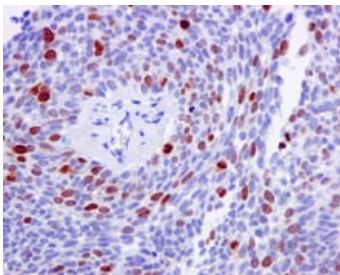
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nucleolin (phospho T76) antibody [EPR8080-2] (ab168363)

Immunohistochemical analysis of paraffin-embedded Human tonsil tissue labeling Nucleolin with ab168363 at 1/50 dilution.

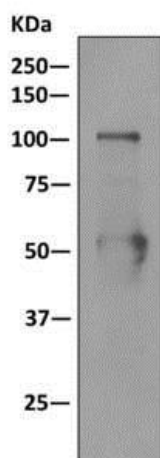
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nucleolin (phospho T76) antibody [EPR8080-2] (ab168363)

Immunohistochemical analysis of paraffin-embedded Human urinary bladder transitional cell carcinoma tissue labeling Nucleolin with ab168363 at 1/50 dilution.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Western blot analysis on immunoprecipitation pellet from 293 cell lysate using anti Phospho Nucleolin (pT76) **ab158363** at 1/10 dilution.

Immunoprecipitation - Anti-Nucleolin (phospho T76)
antibody [EPR8080-2] (ab168363)

Why choose a
recombinant antibody?



Research with
confidence
Consistent and
reproducible results



Long-term and
scalable supply
Recombinant
technology



Success from the
first experiment
Confirmed
specificity



Ethical standards
compliant
Animal-free
production

Anti-Nucleolin (phospho T76) antibody [EPR8080-2]
(ab168363)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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